

## **Check Your Understanding**

1. Draw a picture to show how many yards are in 12 feet.

**State whether you multiply or divide to change units.**

2. pounds to ounces    3. feet to yards    4. quarts to gallons

**Is the statement true or false? If false, rewrite the statement to make it true.**

5.  $6 \text{ ft} = 3 \text{ yd}$     6.  $4 \text{ c} = 32 \text{ fl oz}$     7.  $2\frac{1}{2} \text{ t} = 4,500 \text{ lb}$

## Homework Exercises

For more exercises, see **Extra Skills and Word Problems**.

### GO for Help

| For Exercises | See Examples |
|---------------|--------------|
| 8–12          | 1            |
| 13–20         | 2            |
| 21–24         | 3            |

**Complete each statement. You may find a model helpful.**

- |  |  |   |
|--|--|---|
| 8. $6 \text{ lb} = \square \text{ oz}$     | 9. $3 \text{ mi} = \square \text{ ft}$             | 10. $68 \text{ qt} = \square \text{ pt}$    |
| 11. $3 \text{ yd} = \square \text{ ft}$    | 12. $6 \text{ qt} = \square \text{ pt}$            | 13. $40 \text{ in.} = \square \text{ ft}$   |
| 14. $5,500 \text{ lb} = \square \text{ t}$ | 15. $27\frac{1}{4} \text{ c} = \square \text{ pt}$ | 16. $2,640 \text{ ft} = \square \text{ mi}$ |
| 17. $32 \text{ oz} = \square \text{ lb}$   | 18. $9 \text{ fl oz} = \square \text{ qt}$         | 19. $24 \text{ c} = \square \text{ gal}$    |

20. You buy 12 ounces of cheese at the store. How many pounds of cheese do you buy?

**Find the sum or difference.**

- |   |   |  |
|---|---|--|
| 21. $\begin{array}{r} 6 \text{ gal } 3 \text{ qt} \\ + 4 \text{ gal } 1 \text{ qt} \\ \hline \end{array}$ | 22. $\begin{array}{r} 4 \text{ ft } 8 \text{ in.} \\ - 1 \text{ ft } 9 \text{ in.} \\ \hline \end{array}$ | 23. $\begin{array}{r} 8 \text{ qt } 1 \text{ cup} \\ - 6 \text{ qt } 1 \text{ pt} \\ \hline \end{array}$ |
|---|---|--|

24. A female African lion is 5 ft 8 in. long. A male African lion is 7 ft 3 in. long. What is the difference in their lengths?

### GPS

25. **Guided Problem Solving** The 38,000-foot Mont Blanc Tunnel connects Italy and France through a mountain. The 31-mile Channel Tunnel connects France and England under the English Channel. Which tunnel is longer?

- How many feet are in a mile?
- Should you change feet to miles, or miles to feet?

26. **Wildlife** The whale shark, the largest fish in the world, can be 50 feet long. How long is the whale shark in inches?